

## EAST Search History

| Ref # | Hits | Search Query   | DBs                                       | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 0    | ("rotarycompressor"andrefrigerantand "variablecapacity").PN.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | OFF     | 2007/02/19 14:22 |
| S2    | 59   | "rotary compressor" and refrigerant and "variable capacity"  | USPAT                                     | OR               | ON      | 2006/12/07 18:52 |
| S3    | 8    | ("0713301"   "1789842"   "5236318"   "5871342"   "6796773"   "6860724"). PN. OR ("7104764").URPN.  | US-PGPUB; USPAT; USOCR                    | OR               | OFF     | 2006/12/07 18:36 |
| S4    | 7    | ("4452570"   "4726739"   "4826408"). PN. OR ("5152156").URPN.  | US-PGPUB; USPAT; USOCR                    | OR               | OFF     | 2006/12/07 18:41 |
| S5    | 782  | refrigerant and "variable capacity"  | USPAT                                     | OR               | ON      | 2006/12/07 18:52 |
| S6    | 0    | S1 and (path with control)   | USPAT                                     | OR               | ON      | 2006/12/07 18:53 |
| S7    | 1224 | refrigerant and (path with control)  | USPAT                                     | OR               | ON      | 2006/12/07 18:53 |
| S8    | 837  | (refrigerant with compressor) and (path with control)  | USPAT                                     | OR               | ON      | 2006/12/07 20:01 |
| S9    | 95   | (refrigerant with compressor) and (path with control with inlet)   | USPAT                                     | OR               | ON      | 2006/12/07 19:04 |
| S10   | 20   | ("3006613"   "3404729"   "3537509"   "3666002"   "3766973"   "3799245"   "3831663"   "4146086"   "4228846"   "4311190"   "4373350"   "4418744"   "4550770"   "5022460"   "5131455"   "5165249").PN. OR ("5421399").URPN. | US-PGPUB; USPAT; USOCR                    | OR               | OFF     | 2006/12/07 18:59 |
| S11   | 55   | ("2759674"   "3121315"   "3478534"   "3640086").PN. OR ("3698204").URPN.   | US-PGPUB; USPAT; USOCR                    | OR               | OFF     | 2006/12/07 19:03 |
| S12   | 49   | (refrigerant with compressor) and (refrigerant with valve with "second inlet")   | USPAT                                     | OR               | ON      | 2006/12/07 19:06 |
| S13   | 30   | ("1091957"   "1264399"   "2209090"   "2468293"   "2637981"   "2986898"   "2986907"   "2991632"   "3016016"   "3710586"   "3823573"   "3861166"   "3988901"   "4617801"   "4693090"). PN. OR ("4823560").URPN.            | US-PGPUB; USPAT; USOCR                    | OR               | OFF     | 2006/12/07 19:09 |
| S14   | 25   | ("2637981"   "2986898"   "2986907"   "2991632"   "3361338"   "3710586"). PN. OR ("3823573").URPN.  | US-PGPUB; USPAT; USOCR                    | OR               | OFF     | 2006/12/07 19:11 |
| S15   | 5    | ("2637981").URPN.  | USPAT                                     | OR               | OFF     | 2006/12/07 20:01 |
| S16   | 95   | (refrigerant with compressor) and (inlet with path with control)   | USPAT                                     | OR               | ON      | 2006/12/07 20:02 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S17 | 2   | refrigerant same ("second inlet" with path with control)   | USPAT   | OR | ON  | 2006/12/07 20:02 |
| S18 | 352 | (417/212).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/02/07 11:36 |
| S19 | 342 | (417/315).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/02/07 11:12 |
| S20 | 473 | (417/441).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/02/07 11:12 |
| S21 | 21  | ("4938029"   "5046325"   "5050233").PN. OR ("5094085").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/02/07 11:34 |
| S22 | 450 | (137/907).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/02/12 12:53 |
| S23 | 378 | (137/908).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/02/12 12:54 |
| S24 | 141 | (137/119.01).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/02/12 12:58 |
| S25 | 36  | (137/119.09).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/02/12 12:54 |
| S26 | 130 | (137/119.08).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/02/12 12:54 |
| S27 | 19  | ("1056518"   "1952516"   "2233659"   "2299155"   "2575086"   "2584420"   "3910303").PN. OR ("4005726").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/02/12 13:27 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S28 | 12  | ("1606530"   "3614965").PN. OR ("3910303").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/02/12 13:29 |
| S29 | 378 | (137/908).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/02/13 14:30 |
| S30 | 141 | (137/119.01).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/02/13 14:30 |
| S31 | 36  | (137/119.09).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/02/13 14:30 |
| S32 | 130 | (137/119.08).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/02/13 14:30 |
| S33 | 0   | (S29 and S30 and S31 and S32) and (valve with "second outlet")   | USPAT   | OR | OFF | 2007/02/13 14:31 |
| S34 | 0   | (S29 and S30 and S31 and S32)  | USPAT   | OR | OFF | 2007/02/13 14:30 |
| S35 | 17  | (S29 or S30 or S31 or S32) and (valve with "second outlet")  | USPAT   | OR | OFF | 2007/02/13 14:34 |
| S36 | 489 | compressor and (valve with "second outlet")  | USPAT   | OR | OFF | 2007/02/13 14:34 |
| S37 | 12  | ("20050019189"   "20050063849"   "20050069422"   "20050112010"   "2761616"   "3191854"   "3961862"   "5871342"   "6796773"   "6935853").PN. OR ("7153109").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/02/13 14:37 |
| S38 | 11  | ("1789842"   "4397618"   "4780067").PN. OR ("6796773").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/02/13 14:39 |
| S39 | 23  | ("2286272"   "2350537"   "2991002"   "3407746"   "3796515"   "4343599"   "4452570"   "4580949"   "4636148"   "4642034").PN. OR ("4780067").URPN.                 | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/02/13 14:41 |
| S40 | 23  | ("2286272"   "2350537"   "2991002"   "3407746"   "3796515"   "4343599"   "4452570"   "4580949"   "4636148"   "4642034").PN. OR ("4780067").URPN.                 | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/02/13 14:46 |

## EAST Search History

|     |    |  |   |    |     |                  |
|-----|----|--|---|----|-----|------------------|
| S41 | 8  | ("20040040339"   "20040151603"   "20040211216"   "20040216484"   "5152156"   "6189335"   "6732542"   "6748754").PN. OR ("6907746").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/02/13 14:49 |
| S42 | 20 | ("3006613"   "3404729"   "3537509"   "3666002"   "3766973"   "3799245"   "3831663"   "4146086"   "4228846"   "4311190"   "4373350"   "4418744"   "4550770"   "5022460"   "5131455"   "5165249").PN. OR ("5421399").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2007/02/13 14:51 |
| S43 | 2  | ("20040175274").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/02/19 14:23 |